

# SEQUENCE LISTING

<110> Auerbach, Wojtek  
 Friendewey, David  
 Murphy, Andrew J.  
 Valenzuela, David M.

<120> Method of Improving Gene Targeting Using  
 A Ubiquitin Promoter

<130> REG 784

<140> to be assigned

<141> 2003-11-10

<160> 3

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 1212

<212> DNA

<213> Homo sapien

<400> 1

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<211> 1837

<212> DNA

<213> mus musculus

<400> 2

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| acagccctgc | cctccacac   | aaagcccctc | aatctctgga | cgccaccgtg  | aaacaactcc | 180  |
| gtgagagagg | taccttgata  | gttttagcct | gtcgctttcg | ctgccgagac  | tggacccggc | 240  |
| gttacaaagt | agtccttgac  | cgcattgccc | gcggagggac | cgcgcggaag  | ggggggggcg | 300  |
| gggcttcggt | gactatataa  | agagacgccg | ggcgtgccgc | agctagttcc  | gtggagactg | 360  |
| cgagttccgt | ctgctgtgtg  | aggactgccg | ccaccaccgc | tgggtgaggag | aaagccgccg | 420  |
| cacccggctg | gggacgggag  | gctggaggcg | agacggggcg | agaggcagcc  | ccgcggccca | 480  |
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| caagatggcg | gccagatgga  | agcctgaggg | ggaagacgcg | gggctctgac  | gcgcaggacg | 600  |
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| gagactgtgg | ggtgggggac  | gaattagggg | tgcgcgccgt | aggagcctct  | gctgtgagag | 720  |
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| gaaagacgga | agtgcgatcg  | agaccggaag | ggggttgggc | ggcggttcag  | cctgcctggc | 840  |
| ctgccgcccc | ctgtgacgtc  | gcgggttgcg | tggcctccta | atggatagtg  | acgtcactat | 900  |
| cttgacttta | gctttccctc  | ggttgtagga | cagggtttgg | gtctcggcct  | ccggtagcct | 960  |
| ctccagagta | aacaggaacc  | ggaaattcag | aggggaaatg | tgagccattc  | ttgtcctggt | 1020 |
| tcgttttaag | aatgtcgctg  | tacaactatg | actactgaaa | cttttggggg  | gggggttcga | 1080 |
| gacggtttct | ctatgtagtc  | ctggctgtcc | cgcattctac | tctgtagatc  | aggctggcct | 1140 |
| cgaaccaga  | aatcctcctg  | cctctgcctc | ccaagtgttg | ggacgaaagg  | caccaccatt | 1200 |
| gtcctgcgac | aagggtgttt  | ttttttaaac | tgtcaaaatc | tctgcctcta  | ccaccccatg | 1260 |
| tgatgaggtc | caaggccagt  | accaccactc | cagactaatt | ttaatcgttc  | agacaaaagt | 1320 |
| ttggtgttct | tttgggggaa  | ggagagttga | ggcaggatta | cactgtctct  | ggctgacctt | 1380 |
| ccagttagag | atctgcccac  | ctcagtgtcc | ccagtgtcta | ggtcagcgat  | aggcatgggc | 1440 |
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| tgctgtggtt | tcataacctc  | ccagaggtea | ggcttttctg | caaactgttc  | aaatagacag | 1560 |
| aaattgactt | tcagctgttg  | gtatactgaa | gtctccatcc | tgtaaatttg  | gtaatacaaa | 1620 |
| aagactcacc | atgccgaggt  | ttcttaactt | tgtagtcaa  | caatcttatt  | ttcttgatgg | 1680 |
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| agactttag  | catccagttg  | acaaatgttg | atgccatccc | acaaatattt  | gtgtcattcc | 1800 |
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<210> 3

<211> 2133

<212> DNA

<213> Rattus norvegicus

<400> 3

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| ccgggtttta  | gcgccgatca | cgtcacaggc | gctgatccct | ccgcgggggc | gcgcaaggct | 120  |
| gcagtcctgc  | ccctccacac | aaagcccctc | actctctggc | cttcgcagtg | gaacaacccc | 180  |
| atgaagcgat  | cttaatgggt | ttagcctgtc | gcttccattg | cagagattgg | accgggcatt | 240  |
| aaaaagtagt  | ccccaaccgc | atttccgcgg | aggaatccag | gggtggggcg | ggctcccgat | 300  |
| gactatataa  | agagacgcct | cgcgtcccgc | agctagttcc | gtggagaccg | ccagttccgt | 360  |
| ctctactctt  | ttgtgaggac | tgcagccaac | accgctgggt | aggagaaagc | cgccacaccc | 420  |
| ggcggggggc  | gggaggcggg | agggggcgag | agacagcccg | cggcccggac | gtttggtttc | 480  |
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| aaatggaagc  | ctgaggggga | agacgcgcgc | tcttgacgcg | ctggaccagg | ttgggggaag | 600  |
| caggcccgcg  | aggccgcttg | ccgccggtta | agccgggaac | gtcagaggct | tgggttggga | 660  |
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| gaggggagatg | tcggttatcc | ggaattcgtc | ggttgctaaa | tacaggagtg | cgattgggaa | 780  |
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| ggtctcacag  | tgtatagtga | cgatggcctt | agctttccct | cagttgtagg | accgggtttg | 900  |
| ggtctcggcc  | tcgggtagcc | tctccagagt | aaacaggaac | cggaaattca | gagggggaac | 960  |
| gtgagcctga  | cttacattga | gtctttccct | gtctcgctac | acggatatgg | ctgcggaaac | 1020 |
| tatttattag  | acaagggtgt | tttttttttt | aagatttatt | tcttcagggg | ttggggattt | 1080 |
| agctcagtg   | tagagcgctt | gcctaggaag | cgcaaggccc | tgggttcggt | ccccagctcc | 1140 |
| ggaaaaaaag  | aacaaaaaaa | aaaaaagatt | tatttcttca | gacacaccag | aagaggtgtg | 1200 |
| atcagatctc  | attacaaatg | gttgtagcc  | accatatggt | tgccgggaat | tgaactcggg | 1260 |

|             |             |            |            |            |            |      |
|-------------|-------------|------------|------------|------------|------------|------|
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| ccacttaccc  | cagactactt  | ttttttttta | tagagtttat | tcagggcatg | ggaaggggag | 1440 |
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| gtcctcctaa  | acccccctcc  | ccaaggtga  | aatgtgggtc | aggcttttct | ccaaactgca | 1860 |
| aatagtcagg  | gactgacttt  | cagcagttcc | gtactgaacg | ctccaccctg | ccaacttggg | 1920 |
| aatagacaat  | gcctaataat  | cataactttg | ttccatcaag | acttttattt | tcttgttggg | 1980 |
| tttagggggt  | aaaattcaaa  | acagtctgtg | tagctattta | gactaaacta | ctagccacct | 2040 |
| cacagatcca  | acggttgggtg | gcactctaaa | gaatttgtgt | cattcctgac | ctgttttttg | 2100 |
| gttttttgtt  | ttttgttttt  | ttttccatag | aca        |            |            | 2133 |